

HDT

TERRESTRIAL

HD 801S

Set Top Box
HD Digital Receiver

OWNER'S MANUAL



Read this manual before installation and use.

English

SAFETY INFORMATION

TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.



CAUTION: To reduce the risk of fire and electric shock, do not remove the cover (or back) of the unit. Refer servicing to qualified service personnel only.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT AND FULLY INSERT.

The apparatus shall not be exposed to dripping or splashing, and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

IMPORTANT SAFEGUARDS

In addition to the careful attention devoted to quality standards in the manufacture of your video product, safety is a major factor in the design of every instrument. However, safety is your responsibility, too. This sheet lists important information that will help to assure your enjoyment and proper use of the video product and accessory equipment. Please read them carefully before operating your video product.

Installation

1. Read and Follow Instructions- All the safety and operation instructions should be read before the video product is operated. Follow all operating instructions.
2. Retain Instructions- The safety and operating instructions should be retained for future reference.
3. Heed all Warnings- Comply with all warnings on the video product and in the operating instructions.
4. Polarization- Some video products are equipped with a polarized alternating-current line plug. This plug will fit into the power outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your obsolete outlet. To prevent electric shock, do not use this polarized plug with an extension cord, receptacle, or other outlet unless the blades can be fully inserted without blade exposure. If you need an extension cord, use a polarized cord.
5. Power Sources- This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your video dealer or local power company. For video products intended to operate from battery power, or other sources, refer to the operating instructions.
6. Overloading- Do not overload wall outlets or extension cords as this can result in a risk of fire or electric shock. Overloaded AC outlets, extension cords, frayed power cords, damaged or cracked wire insulation, and broken plugs are dangerous. They may result in a shock or fire hazard. Periodically examine the cord, and if its appearance indicates damage or deteriorated insulation, have it replaced by your service technician.
7. Power-Cord Protection- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the video product.
8. Ventilation- Slots and openings in the case are provided for ventilation to ensure reliable operation of the video product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the video product on a bed, sofa, rug, or hearth rug. This video product should not be placed in a built-in installation such as a book case or rack, unless proper ventilation is provided or the video product manufacturer's instructions have been followed.
9. Attachments- Do not use attachments unless recommended by the video product manufacturer as they may cause hazards.
10. Water and Moisture- do not use this video product near water for example, near a bath tub, washbowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool and the like. Caution: Maintain electrical safety. Powerline operated equipment or accessories connected to this unit should bear safety certification mark on the accessory itself and should not be modified so as to defeat the safety features. This will help avoid any potential hazard from electrical shock or fire. If in doubt, contact qualified service personnel.
11. Accessories- Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult as well as serious damage to the video product. Use this video product only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the video product. Any mounting of the product should follow the manufacturer's instructions and use of a mounting accessory recommended by the manufacturer.
- 11a. A video product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the video product and cart combination to overturn.
Note to CATV system installer
This reminder is provided to call the CATV system installer's attention to Section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.
12. Outdoor Antenna Grounding- If an outside antenna or cable system is connected to the video product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code (ANSI/NFPA No. 70-1984 [Section 54 of Canadian Electrical Code, Part I]) provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
13. Power Lines- An outside antenna system should not be located in the vicinity of overhead power lines, other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching or approaching such power lines or circuits, as contact with them might be fatal. Installing an outdoor antenna can be hazardous and should be left to a professional antenna installer.
14. Use
Cleaning- Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
15. Objects that may touch dangerous voltage points or "short-out" parts could result in a fire or electric shock. Never spill liquid of any kind on the video product.
16. Lightning- For added protection for this video product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product due to lightning and power line surges.
- Service
17. Servicing- Do not attempt to service this video product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
18. Conditions Requiring Service- Unplug this video product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - A. When the power-supply cord or plug is damaged.
 - B. If liquid has been spilled, or objects have fallen into the video product.
 - C. If the video product has been exposed to rain or water.
 - D. If the video does not operate normally by following the operating instructions. Adjust only those controls that are covered by operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.
 - E. If the video product has been dropped or cabinet has been damaged.
 - F. When the video product exhibits a distinct change in performance- this indicates a need for service.
19. Replacement Parts- When replacement parts are required, have the service technician verify that the replacements he uses have the same safety characteristics as the original parts. Use of replacements specified by the video product manufacturer can prevent fire, electric shock, or other hazards.
20. Safety Check- Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks recommended by the manufacturer to determine that the video product is in safe operating condition.
21. Wall or Ceiling Mounting- The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
22. Heat- The product should be situated away from heat sources such as radiators, heaters, stoves, or other products (including amplifiers) that produce heat.

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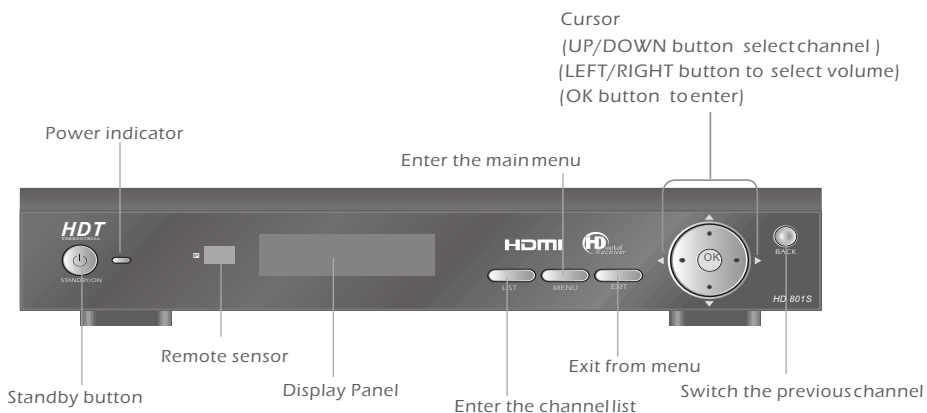
SPECIFICATION

12

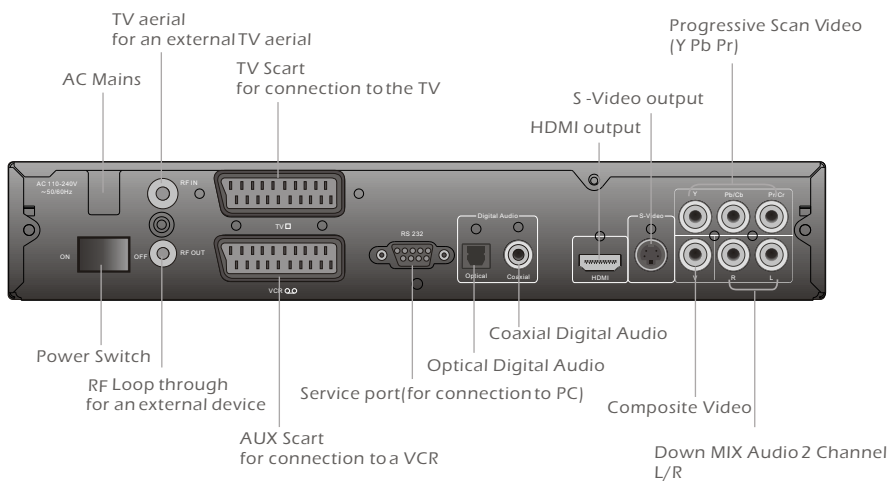
INTRODUCTION

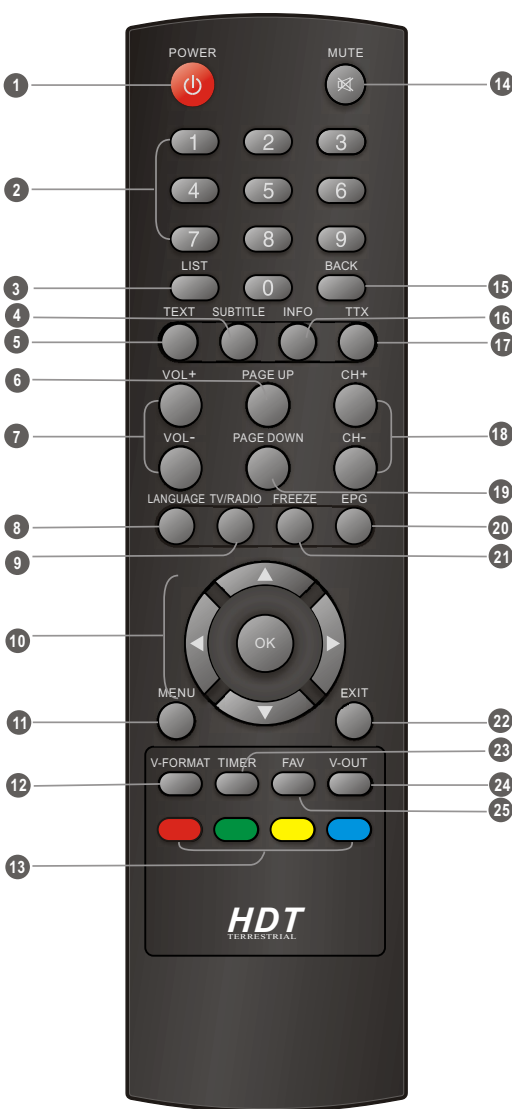
About the STB

Front panel



Rear panel





1 POWER
(Switch the DVB ON/STANDBY mode)

2 Numeric entry
(To select a channel directly by entering its channel number)

3 LIST
(Open the channel list)

4 SUBTITLE
(On/Off the subtitle)

5 TEXT
(For the DigiteXt Service)

6 PAGE UP
(Skip TV program page backward in the channel list)

7 VOL+/VOL-
(Voice up and down)

8 LANGUAGE
(Select the TV audio: right/left/stereo or select the language audio)

9 TV/RADIO
(Switch between TV and Radio)

10 Cursor/ Enter
(to select sub-menu from the main menu and select channel)

(to select sub-menu from the main menu and select volume)
(Press to confirm or enter the channel list)

11 MENU
(Open the menu)

12 V-FORMAT
(Select TV mode: display format/ TV screen format/Resolution)

13 RED/Green/YELLOW/BLUE Button
(For teletext function)

14 MUTE

15 BACK
(Switch to previous channel)

16 INFO
(To display current channel information)

17 TTX
(Open Teletext function)

18 CH+/CH-
(Channel up and down)

19 PAGE DOWN
(Skip TV program page forward in the channel list)

20 EPG
(Open up Electronic Program Guide menu)

21 FREEZE
(Pause the current interface)

22 EXIT
(Exit from the menu)

23 TIMER
(Timer wake-up)

24 V-OUT
(Switch the output format: Scart RGB / CVBS)

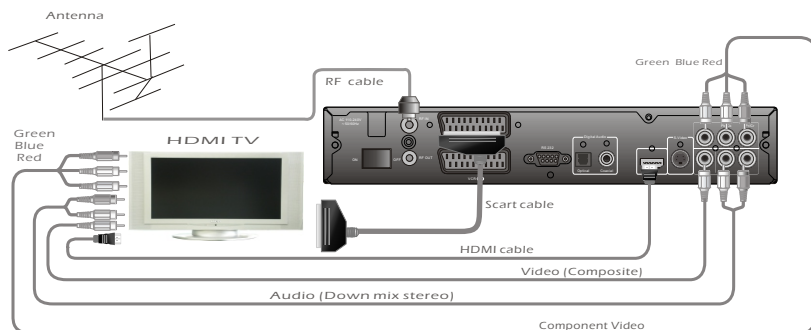
25 FAV
(Open up the Favorite list)

SYSTEM CONNECTION

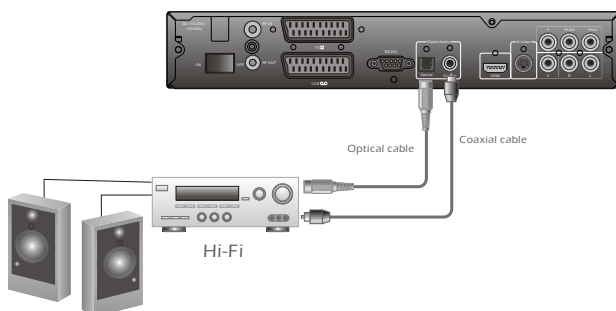
General

There are many different types of equipment that you can connect to the STB. In this manual you will see some of the most common ways to connect your equipment.

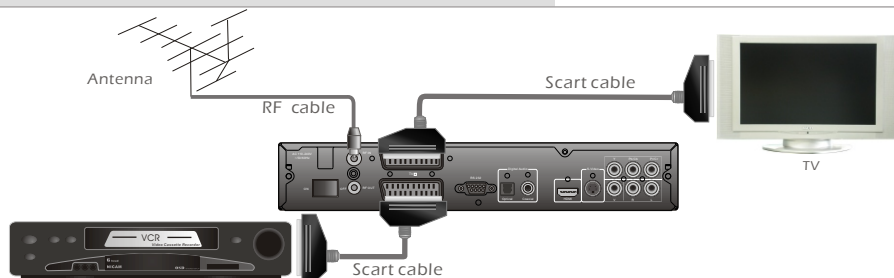
Connecting to the TV



Connecting a HiFi system



Connecting a video recorder with SCART



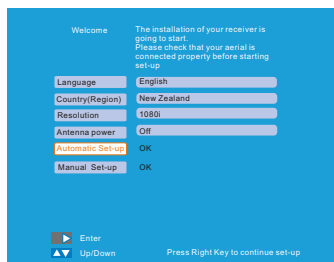
GETTING STARTED

Switching on for the first time

Turn on your TV set and select the corresponding AV input (with the AV key, or similar, on the television remote control).

Turn on the main power supply to the STB, the indicator on the front of the unit will turn red and then green. In standby mode, the indicator light will be red. In on mode, the indicator light will be green.

- If you use the STB for the first time or have restored the STB to factory defaults, a "TV Setting" menu will be displayed.
- Press "UP" or "DOWN" button to the desired item.
- Press "RIGHT" cursor button to confirm and press "UP" or "DOWN" button to select the desired option, press "OK" button to confirm.
- Press "UP" or "DOWN" button to select the Automatic Set-up or Manual Set-up and press "RIGHT" to scan for channels.
- When all available radio and television channels have been found, the channel at the top of the list will be shown.



Auto / Manual channel scan

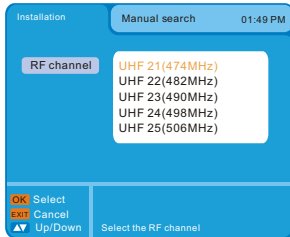
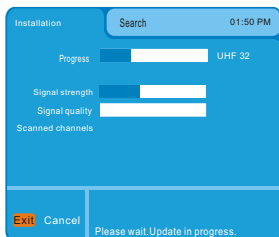
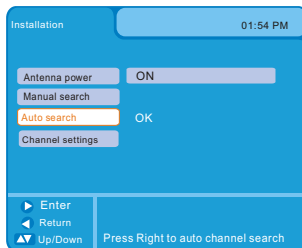
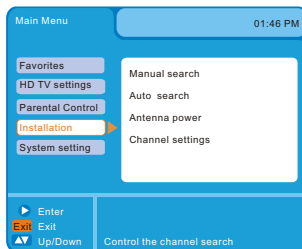
- ① Press the "MENU" button to enter the main menu of the STB.
- ② Press the "UP" or "DOWN" button to select the Installation. And press the "OK" button to enter the Installation menu.
- ③ Press the "UP" or "DOWN" button to select "Auto search" or "Manual search", and press the "RIGHT" button to confirm.

Auto channel scan:

- Press the "OK" button to start searching.
- Press the "EXIT" button to quit.

Manual channel scan:

- Press the "RIGHT" button to select.
- Press the "RIGHT" button to enter, press the "UP" or "DOWN" button to select "Channel No" section, and press the "OK" button to start search.
- Press the "EXIT" button to quit.



NOTE:

The power will support the external antenna when the STB is connected to the external antenna and the Antenna power is on.

OPERATION

Changing Channels

There are four ways of selecting channels - stepping through the channel list, selection by number, from the on-screen channel list, and using the Channel Schedule.

① Stepping through the channel list:

Press the "UP" or "DOWN" cursor button to browse up or browse down the available channels.

② Selection by number:

Enter the complete channel number from the remote control to select desired channel.

③ Selection by on-screen channel list:

You can also select the desired channel directly from the on-screen channel list. This channel list will display by pressing the "OK" button on the remote.

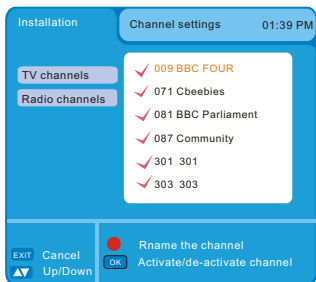
④ Selection by channel Schedule:

You can also select the desired channel directly from Channel Schedule. This is displayed by pressing the "EPG" button on the remote control. The Channel Schedule provides the user with a brief description of the programme on the currently selected channel and other information. Please See "EPG" in this manual for more detail.

Channel settings

From the ChannelList, you can rename and activate the selected channels.

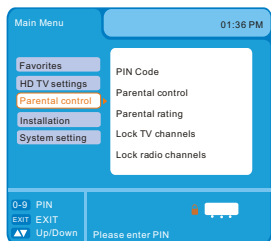
- ① Press "MENU" button to enter the main menu of the STB.
- ② Press "UP" or "DOWN" cursor button to select the Installation.
- ③ Press "RIGHT" button to enter Installation.
- ④ Press "UP" or "DOWN" button to highlight the Channel settings.
- ⑤ Press "RIGHT" button to enter the Channel list..
- ⑥ Press "EXIT" button to quit the channel settings window.
- ⑦ Press "UP" or "DOWN" button to select a desired channel.
- ⑧ Press "RED" button to rename the channel.
- ⑨ Press "OK" button to activate or de-activate channel, the channel will not displayed in the channel list if deactivated.



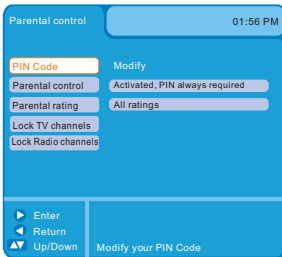
Parental control

From the Parental control window, you can modify the pin code , lock TV channels and set preferences.

- ① Press "MENU" button to enter the main menu of the STB.
- ② Press "UP" or "DOWN" button to select the Parental control option. The default PIN code is "0000".
- ③ Press "RIGHT" button to enter the Parental control menu.
- ④ Press "UP" or "DOWN" button to highlight the desired item, and press "RIGHT" button to confirm.
- ⑤ Press "LEFT" button to return the super menu.

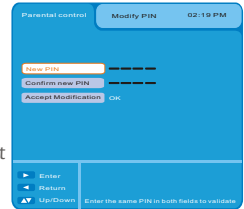


Parental control continued



PIN Code:

This menu allows to change the PIN Code. Press "RIGHT" button to enter the desired item, enter the numeric number you want the pin code changed to, press "LEFT" button to return, press "UP" or "DOWN" button to select the next option. The default pin code is "0000".



Parental control:

This menu allows you to activate or de-activate Parental control, make the parental control valid for 20 min, or activate at the next restart.

Parental rating:

This menu allows you to set the Parental rating. You can restrict viewing by age rating or allow unrestricted access.

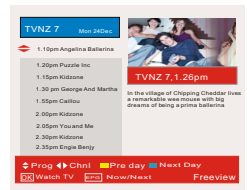
Lock TV channel/radio:

This menu allows you to lock the TV or radio channel. Press "RIGHT" button to enter the Lock channel list, Press "UP" or "DOWN" button to select the desired channel, and press "OK" button lock, press "OK" button again to cancel, press "EXIT" button to quit the menu.

EPG

The STB supports EPG (Electronic Programme Guide) for 8 days. The EPG displays the programme schedules with short & extended descriptions of the selected service.

- ① Press the "EPG" button to enter the EPG menu, the EPG menu contains all the current days event information.
- ② Press "Left" or "Right" button to change channels.
- ③ Press "Up" or "Down" button to view the Extended event description of the selected event in the event list.
- ④ Press "EPG" button to view the now and next information for all channels.
- ⑤ Press "EXIT" button to quit the menu.

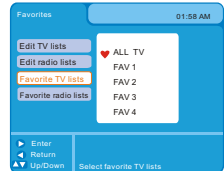
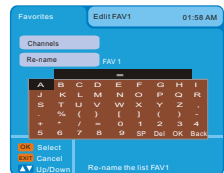


Favorites

This menu allows you to store a list of your favourite channels. So that you can access them more easily. In this STB, you have four favourite lists to set, each family member can have his own favourite list.

Edit TV lists/radio lists:

- ① Press "MENU" button to enter the main menu of the STB.
- ② Press "UP" or "DOWN" cursor button to select the Favorites.
- ③ Press "RIGHT" button to enter the favourites menu.
- ④ Press "UP" or "DOWN" button to select the Edit TV lists or radio lists, press "RIGHT" button to confirm.
- ⑤ Press "UP" or "DOWN" button to highlight the desired favourite option and press "OK" button to confirm.
- ⑥ Press "UP" or "DOWN" button to select the Channels or Re-name item, press "RIGHT" button to confirm, and press "OK" button to select/remove the favourite program or rename the favourite list.
- ⑦ Press "EXIT" button to quit.



Favourite TV lists/radio lists:

- ① Press "MENU" button to enter the main menu of the STB.
- ② Press "UP" or "DOWN" cursor button to select the Favorites.
- ③ Press "RIGHT" button to enter the favourites menu.
- ④ Press "UP" or "DOWN" button to select the Favourite TV lists or radio lists, press "RIGHT" button to confirm.
- ⑤ Press "UP" or "DOWN" button to highlight the desired favourite list option and press "OK" button to confirm or remove, the selected favourite list will display in schedule of the FAV or not.

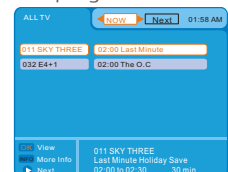
Accessing the favourite channels:

- ① Press "FAV" button to enter the "FAVOURITE LIST".
- ② Press "FAV" button again to switch desired favourite list.
- ③ Press "UP" or "DOWN" button to select the favourite channel in the selected favourite list.
- ④ Press "RIGHT" or "LEFT" button to view more details of the current/next program.
- ⑤ Press "Exit" button to quit.

Accessing the Channel list

From the channel list, you can change channels available, check the current or next programme information.

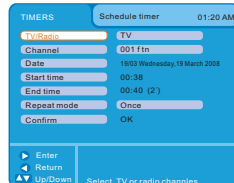
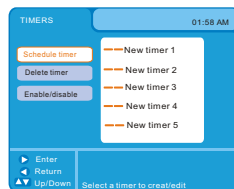
- ① Press the "List" button to enter the Channel list.
- ② Press "UP" or "DOWN" button to change the channel.
- ③ Press "LEFT" or "RIGHT" cursor button to switch the current channels or the next channel.
- ④ Press "INFO" cursor button to check more information of the program.
- ⑤ Press "FAV" button to change the channel list. The channel list is as well as favourite list.
- ⑥ Press "EXIT" button to quit the channel schedule.



Timer

This menu allows you to set the STB to change channel to play the programs as required.

- ① Press the "TIMER" button to enter the main menu of the TIMERS.
- ② Press the "UP" or "DOWN" cursor button to select the desired item..
- ③ Press the "RIGHT" button to enter the sub-menu.
- ④ Press "UP" or "DOWN" cursor button to select the desired item and Press "RIGHT" button to enter its sub-menu.



TV/Radio

This option allows you to select a TV or Radio channel.

Channel

This option allows you to select the desired channel.

Date

This option allows you to set the date of the program.

Start time

This option allows you to set the start time of the program.

End Time

This option allows you to set the end time of the program.

Repeat mode

This option allows you to set the frequency for the schedule, Daily, Monday to Friday and Weekly.

Parental control

This option allows you to enable or disable parental control.

SYSTEM SETTING

System setting

The system settings menu allows you optimize the STB to suit your TV and preferences. The System setting menu screen is accessed from main menu.

- ① Press the "MENU" button to enter the main menu of the STB.
- ② Press the "UP" or "DOWN" cursor button to select the System settings.
- ③ Press the "RIGHT" button to enter the sub-menu.
- ④ Press "UP" or "DOWN" cursor button to select the desired item and Press "RIGHT" button to enter its sub-menu.
- ⑤ Press "UP" or "DOWN" button to select the desired option and press "LEFT" or "RIGHT" cursor button to select the desired setting..
- ⑥ Press "MENU" button to return the upper menu. press "EXIT" button to quit. After exiting the main menu, the settings will be valid.

Language:

This menu allows you to set the main, audio and subtitle languages and switch off subtitles.

Time:

This menu allows you to set the time format, and the time offset.

Banner:

This menu allows you to set the duration for which banners are displayed and the transparency.

TV Setting:

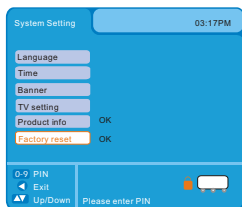
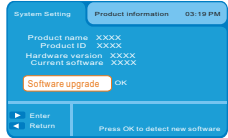
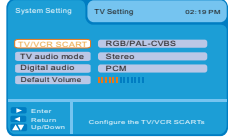
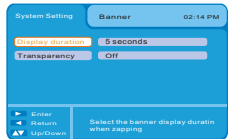
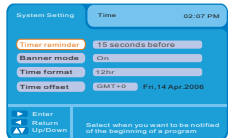
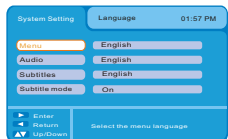
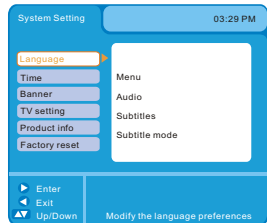
This menu allows users to select the output mode of the TV/VCR Scart, the TV audio mode, the digital audio mode and the default volume.

Product info:

This menu allows users to check the STB version information.

Factory reset:

This menu allows you to restore the factory settings. The default pin code is "0000".



HD TV settings

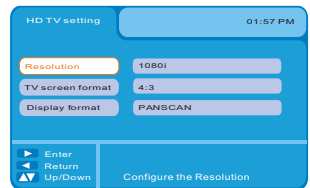
This menu allows you to set the resolution, the TV screen format, and the display format.

- ① Press the "MENU" button to enter the main menu of the STB.
- ② Press the "UP" or "DOWN" cursor button to select the HD TV settings.
- ③ Press the "RIGHT" button to enter the sub-menu.
- ④ Press "UP" or "DOWN" cursor button to select the desired item and Press "RIGHT" button to enter its sub-menu.
- ⑤ Press "UP" or "DOWN" button to select the desired option and press "OK" cursor button to select the desired setting.
- ⑥ Press "MENU" button to return to the upper menu. press "EXIT" button to quit.

HD TV settings:

Resolution:	1080i/576i/720p/576p/AUTO
TV screen format:	16:9/4:3
Display format:	Letter Box/PANSCAN/Full screen

You can press the "V-FORMAT" button on the remote to display the HD TV settings menu, then press "RIGHT" or "LEFT" button to select the desired settings.



TROUBLESHOOTING

In some regions, the digital terrestrial signal may be weak. You may require a larger aerial and/or an amplifier for optimal performance.

Problem	Possible cause	What to do
Standby light not lit	Mains lead unplugged Mains fuse blown	Check mains lead Check fuse
No signal found	Aerial is disconnected Aerial is damaged/misaligned Out of digital signal area	Check aerial lead Check aerial Check with dealer
No picture or sound	Tuned to digital teletext channel	Select alternative channel
Scrambled channel message	Channel is scrambled	Select alternative channel
No response to remote control	Receiver off Handset not aimed correctly Front panel obstructed Hand set batteries exhausted	Plug in and turn on plug Aim handset at front panel Check for obstructions Replace handset batteries
Forgotten channel lock code		Re-install channels to cancel channel lock
Forgotten menu lock code		Contact your dealer
The remote control will not operate your STB	(1) The batteries in your remote control need replacing (2) There is an obstruction blocking the signal path between the remote control and the box.	(1) Replace the batteries (2) Check that there is nothing between the remote control and the receiver
After moving the STB to another room you find you are no longer able to receive digital reception	The aerial feed from the new point may come through a distribution system which may reduce the digital signal now received by the box.	Try a direct feed from the antenna

SPECIFICATIONS

<u>TUNER</u>	<ul style="list-style-type: none"> • RF INPUT CONNECTORx1 (IEC-TYPE, FEMALE) • RF OUTPUT CONNECTORx1 (IEC-TYPE, MALE (LOOPTHROUGH)) • FREQUENCY RANGE: 470MHz ~862MHz (UHF) • SIGNAL LEVEL: -20 ~ -75 dbm
<u>FEATURES</u> <ul style="list-style-type: none"> • VIDEO DECODER • AUDIO DECODER • MODULATION 	<p>H.264 MAIN PROFILE @HIGH LEVEL and MPEG-2 MAIN PROFILE @ HIGH LEVEL.</p> <p>PCM/HE-AAC/AC3</p> <p>QPSK,16QAM,64QAM</p>
<u>CONNECTION</u> <ul style="list-style-type: none"> • MAIN POWER CABLE • TUNER • SCART • HDMI • SPDIF • DATA PORT • COMPOSITE/COMPONENT VIDEO OUTPUT • ANALOG AUDIO OUTPUT 	<p>FIXED TYPE</p> <p>ANTENNA INPUTx1, RFOUTPUT x1 OUTPUT for TVx1, OUTPUT for VCR x1</p> <p>HDMI OUTPUT x1</p> <p>COAXIAL x1, OPTICALx1</p> <p>RS-232x1</p> <p>Video (composite) output x1, Y Pb PrComponent Video output x1 Down Mix Stereo output (Left and Right) x 1</p>
<u>POWER SUPPLY</u> <ul style="list-style-type: none"> • INPUT VOLTAGE • POWER CONSUMPTION 	<p>AC110~240V, 50/60Hz</p> <p>MAX. 16W</p>

NOTE

- Design and Specifications are subject to change without notice.

